

Title (en)

Improved synthesis of molybdenum/alkylene glycol complexes useful as epoxidation catalysts.

Title (de)

Synthese von Molybdän-Alkylenglycol-Komplexen verwendbar als Epoxydationskatalysatoren.

Title (fr)

Synthèse de complexes molybdène/alkylène-glycol utilisables comme catalyseurs d'époxydation.

Publication

**EP 0193682 A1 19860910 (EN)**

Application

**EP 85309344 A 19851220**

Priority

US 68770184 A 19841231

Abstract (en)

Catalytically-active complexes, useful inter alia for olefin epoxidation can be obtained by reacting an ammonium compound containing molybdenum and a glycol, in a mol ratio from 7:1 to 20:1 at an elevated temperature, and if necessary stripping water to give a final water content from 0.5 to 6.0 wt.%. <??>The reaction is carried out in the substantial absence of solvents or diluents, and the glycol has a molecular weight up to 200 and contains only primary or secondary hydroxy groups, on adjacent carbon atoms, or on carbon atoms separated by an even number of other carbon atoms.

IPC 1-7

**B01J 23/22; C07D 301/19**

IPC 8 full level

**C07F 11/00** (2006.01); **B01J 31/22** (2006.01); **C07D 301/19** (2006.01)

CPC (source: EP US)

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Citation (search report)

- [X] US 4009122 A 19770222 - LINES ELLWOOD L, et al
- [A] FR 1550166 A 19681220

Cited by

US5620938A; EP0524816A3; FR2781169A1; EP0321612A1; EP0343293A1; EP0264184A1; US6642170B1; WO9404268A1; WO0003802A1

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